

## IMPROVED SELF-CENTERING UNIT

### ABSTRACT OF THE INVENTION

Self-centering unit for tire removal machines, comprising a plate provided  
5 with a series of angularly equidistant radial slots, in each of which a  
clamping jaw is received and slides to grip the edge of a wheel rim, said  
clamping jaws being linked together in such a manner as to be always  
equidistant from the axis of said plate, at least one clamping jaw being  
associated with actuator means causing it to translate in a radial direction  
10 by means of a positioner device arranged to vary the working position of  
said clamping jaws relative to the actuator means, without modifying their  
travel stroke.